

ABSTRACT

A disk apparatus includes a DSP (Digital Signal Processor), and the DSP performs a test writing and a test reading on a magneto-optical disk rotated in a ZCLV system to obtain an optimal reproduction laser power value (reference reproduction laser power value) "Pt" at a linear velocity of 30 Mbps in the ZCLV system. Next, by use of a relational expression between a power coefficient and a linear velocity, a linear velocity coefficient " αx " as an optimal reproduction laser power value at a desired linear velocity (zone) "Vx" in a ZCAV system is obtained when the reference reproduction laser power value is multiplied. Then, the optimal reproduction laser power value at the zone in the ZCAV system is obtained by multiplying the reference reproduction laser power value "Pt" by the linear velocity coefficient " αx ".